CLAIMS

1. An artificial dura mater comprising an amorphous or low crystallinity polymer.

2. The artificial dura mater according to claim 1 wherein the polymer has a degree of crystallinity of 20 % or lower.

3. An artificial dura mater which is formed as an integral molding of an amorphous or low crystallinity polymer and a structural reinforcement.

4. The artificial dura mater according to claim 3 wherein the amorphous or low crystallinity polymer and the structural reinforcement are integrated by bonding, fusion or impregnation.

5. The artificial dura mater according to claim 1 wherein the elastic modulus of the amorphous or low crystallinity polymer at 5 % extension is 10 MPa or lower.

6. The artificial dura mater according to claim 1 wherein the Tg of the amorphous or low crystallinity polymer is 15°C or lower.

7. The artificial dura mater according to claim 1 wherein the tensile elongation at break of the amorphous or low crystallinity polymer is 200 % or greater.

8. The artificial dura mater according to claim 1 wherein the elastic modulus of the amorphous or low crystallinity polymer at 37°C is 1×10^8 Pa or less.

9. The artificial dura mater according to claim 1 wherein the ratio of relaxation elastic modulus/elastic modulus is 0.3 or greater.

10. The artificial dura mater according to claim 3 wherein the elastic modulus of the structural reinforcement at 5 % extension is greater than 10 MPa.

11. The artificial dura mater according to claim 3 wherein the Tg of the structural reinforcement is higher than 15°C.

12. The artificial dura mater according to claim 3 wherein the tensile elongation at break of the structural reinforcement is less than 200 %.

13. The artificial dura mater according to claim 3 wherein the weight of the amorphous or low crystallinity polymer is 10 to 98 % of the total weight of the integral molding.

14. The artificial dura mater according to claim 3 wherein the weight of the structural reinforcement is 2 % or more of the total weight of the integral molding.

15. The artificial dura mater according to claim 1 wherein the amorphous or low crystallinity polymer is biodegradable.

16. The artificial dura mater according to claim 3 wherein the structural reinforcement is biodegradable.

17. The artificial dura mater according to claim

3 wherein the amorphous or low crystallinity polymer is biodegradable and the structural reinforcement is non-biodegradable.

18. The artificial dura mater according to claim 3 wherein the structural reinforcement is non-biodegradable.

19. The artificial dura mater according to claim 3 wherein the amorphous or low crystallinity polymer is non-biodegradable and the structural reinforcement is biodegradable.